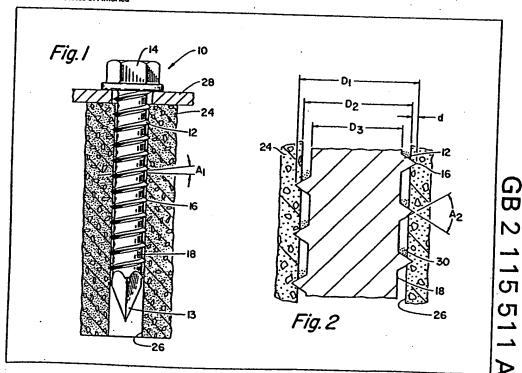
## Illinois Dol III

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- (54) Screw anchors for use in masonry
- (57) A threaded fastener 10 designed for anchoring embodiment into masonry structures 24 which include relatively hard aggregate. The shank has formed thereon a spaced, helical, continuous thread 12 extending from

the entering portion 13 towards the enlarged head portion 14 for a substantial portion of the length of the shank, the helical thread having a Vshaped cross-sectional configuration with the flanks of the thread intersecting at an included angle  $A_2$  in the range of 50° to 65°, and the helical thread extending about the shank at a lead angle A, in the range of 6° to 8.5°. The fastener is inserted with a rotational speed not exceeding 250 RPM at torque levels not less than 150 in. lb. (1700 cm N). A second helical thread may be located intermediate the turns of the main thread and have a smaller crest diameter.



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